

L17 ANSWER 1 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:441672 HCAPLUS
 DN 147:451
 TI Therapeutic potential of the chemokine receptor CXCR4 antagonists as multifunctional agents
 AU Tsutsumi, Hiroshi; Tanaka, Tomohiro; Ohashi, Nami; Masuno, Hiroyuki; Tamamura, Hirokazu; Hiramatsu, Kenichi; Araki, Takanobu; Ueda, Satoshi; Oishi, Shinya; Fujii, Nobutaka
 CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Chiyoda-ku, Tokyo, 101-0062, Japan
 SO Biopolymers (2007), 88(2), 279-289
 CODEN: BIPMAA; ISSN: 0006-3525
 PB John Wiley & Sons, Inc.
 DT Journal; General Review
 LA English
 RE.CNT 85 THERE ARE 85 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:232481 HCAPLUS
 DN 146:243085
 TI Development of low molecular weight CXCR4 antagonists by exploratory structural tuning of cyclic tetra- and pentapeptide-scaffolds towards the treatment of HIV infection, cancer metastasis, and rheumatoid arthritis
 AU Tamamura, Hirokazu; Tsutsumi, Hiroshi; Masuno, Hiroyuki; Fujii, Nobutaka
 CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Chiyoda-ku, Tokyo, 101-0062, Japan
 SO Current Medicinal Chemistry (2007), 14(1), 93-102
 CODEN: CMCHE7; ISSN: 0929-8673
 PB Bentham Science Publishers Ltd.
 DT Journal; General Review
 LA English
 RE.CNT 100 THERE ARE 100 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:70096 HCAPLUS
 TI Development of the chemokine receptor CXCR4 antagonists as multi-pharmaceutical agents involving a new class of low molecular weight antagonists
 AU Tamamura, Hirokazu; Tsutsumi, Hiroshi; Hiramatsu, Kenichi; Araki, Takanobu; Ueda, Satoshi; Oishi, Shinya; Masuno, Hiroyuki; Tanaka, Tomohiro; Ohashi, Nami; Mizokami, Satoko; Ogawa, Teppei; Wang, Zixuan; Peiper, Stephen C.; Trent, John O.; Nakashima, Hideki; Yamamoto, Naoki; Fujii, Nobutaka
 CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Tokyo, 101-0062, Japan
 SO Peptide Science (2006), 43rd, 279
 CODEN: PSCIFQ; ISSN: 1344-7661
 PB Japanese Peptide Society
 DT Journal
 LA English
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 4 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:70079 HCAPLUS
 TI Development of chemical probes for the chemokine receptor CXCR4 involving radiolabeled T140 analogs
 AU Tamamura, Hirokazu; Hanaoka, Hirofumi; Tsutsumi, Hiroshi; Ohashi, Nami; Tanaka, Tomohiro; Mori, Tomohiko; Mukai, Takahiro; Doi, Ryuichiro; Saji, Hideo; Fujii, Nobutaka

CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental
University, Tokyo, 101-0062, Japan
SO Peptide Science (2006), 43rd, 254
CODEN: PSCIFQ; ISSN: 1344-7661
PB Japanese Peptide Society
DT Journal
LA English
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 5 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:32517 HCAPLUS
TI Development in study of SDF-1/CXCR4 and prostate cancer
AU Cai, Jian; Wang, Jia
CS Department of Urology, West China Hospital, Sichuan University, Chengdu,
Sichuan, 610041, Peop. Rep. China
SO Huaxi Yixue (2006), 21(3), 647-649
CODEN: HUYIFS; ISSN: 1002-0179
PB Sichuan Daxue Huaxi Yiyuan
DT Journal; General Review
LA Chinese

L17 ANSWER 6 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:1295563 HCAPLUS
DN 146:334370
TI Inhibitors of CXCR4 affect the migration and fate of CXCR4+ progenitors in
the developing limb of chick embryos
AU Yusuf, Faisal; Rehimi, Rizwan; Morosan-Puopolo, Gabriela; Dai, Fangping;
Zhang, Xiaobing; Brand-Saberi, Beate
CS Institute of Anatomy and Cell Biology, Department of Molecular Embryology,
University of Freiburg, Freiburg, Germany
SO Developmental Dynamics (2006), 235(11), 3007-3015
CODEN: DEDYEI; ISSN: 1058-8388
PB Wiley-Liss, Inc.
DT Journal
LA English
RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 7 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:549049 HCAPLUS
DN 145:230863
TI Development of linear type of low molecular weight CXCR4 antagonists based
on T140 analogs
AU Tamamura, Hirokazu; Tsutsumi, Hiroshi; Masuno, Hiroyuki; Mizokami, Satoko;
Hiramatsu, Kenichi; Wang, Zixuan; Trent, John O.; Nakashima, Hideki;
Yamamoto, Naoki; Peiper, Stephen C.; Fujii, Nobutaka
CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental
University, Tokyo, 101-0062, Japan
SO Organic & Biomolecular Chemistry (2006), 4(12), 2354-2357
CODEN: OBCRAK; ISSN: 1477-0520
PB Royal Society of Chemistry
DT Journal
LA English
OS CASREACT 145:230863
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 8 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:248559 HCAPLUS
TI Discovery of novel nonpeptide CXCR4 antagonists
AU Zhan, Weiqiang; Liang, Zhongxing; Snyder, James P.; Liotta, Dennis C.;
Shim, Hyunsuk
CS Department of Chemistry, Emory University, Atlanta, GA, 30322, USA

SO Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006 (2006), MEDI-408 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69HYEC
DT Conference; Meeting Abstract; (computer optical disk)
LA English

L17 ANSWER 9 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1257183 HCAPLUS
DN 144:342851
TI The therapeutic potential of CXCR4 antagonists in the treatment of HIV infection, **cancer** metastasis and rheumatoid arthritis
AU Tamamura, Hirokazu; Fujii, Nobutaka
CS Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, Chiyoda-ku, Tokyo, 101-0062, Japan
SO Expert Opinion on Therapeutic Targets (2005), 9(6), 1267-1282
CODEN: EOTTAO; ISSN: 1472-8222
PB Ashley Publications Ltd.
DT Journal; General Review
LA English

RE.CNT 92 THERE ARE 92 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 10 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:575920 HCAPLUS
DN 143:259662
TI The chemokine receptor CXCR4 as a therapeutic target for several diseases including AIDS, **cancer** and rheumatoid arthritis
AU Tamamura, Hirokazu; Hiramatsu, Kenichi; Ueda, Satoshi; Araki, Takanobu; Takenaga, Mitsuko; Igarashi, Rie; Hori, Akira; Kanzaki, Naoyuki; Fujisawa, Miho; Nakashima, Hideki; Yamamoto, Naoki; Otaka, Akira; Fujii, Nobutaka
CS Graduate School of Pharmaceutical Sciences, Kyoto University, Kyoto, 606-8501, Japan
SO Peptide Science (2005), Volume Date 2004, 41st, 121-122
CODEN: PSCIFQ; ISSN: 1344-7661
PB Japanese Peptide Society
DT Journal
LA English

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 11 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:111434 HCAPLUS
DN 143:41632
TI Invasive characteristics of human prostatic epithelial cells: understanding the metastatic process
AU Hart, C. A.; Brown, M.; Bagley, S.; Sharrard, M.; Clarke, N. W.
CS PromPT Genito-Urinary Cancer Research, Cancer Research UK Paterson Institute for Cancer Research, Christie Hospital NHS Trust, Manchester, M20 4BX, UK
SO British Journal of Cancer (2005), 92(3), 503-512
CODEN: BJCAAI; ISSN: 0007-0920
PB Nature Publishing Group
DT Journal
LA English

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 12 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:857337 HCAPLUS
DN 141:343466
TI CXCR4 antagonists and methods of their use
IN Shim, Hyunsuk; Liang, Zhongxing; Umbreit, Jay; Taichman, Russel; Goodmann, Mark

PA Emory University, USA
SO PCT Int. Appl., 95 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087068	A2	20041014	WO 2004-US9570	20040326
	WO 2004087068	A3	20060202		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2520406	A1	20041014	CA 2004-2520406	20040326
	EP 1608318	A2	20051228	EP 2004-758528	20040326
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
	JP 2006524242	T	20061026	JP 2006-509429	20040326
PRAI	US 2003-458217P	P	20030327		
	WO 2004-US9570	W	20040326		

L17 ANSWER 13 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:522558 HCAPLUS
DN 141:87609

TI Identification of a CXCR4 antagonist, a T140 analog, as an anti-rheumatoid arthritis agent
AU Tamamura, Hirokazu; Fujisawa, Miho; Hiramatsu, Kenichi; Mizumoto, Makiko; Nakashima, Hideki; Yamamoto, Naoki; Otaka, Akira; Fujii, Nobutaka
CS Graduate School of Pharmaceutical Sciences, Kyoto University, Sakyo-ku, Kyoto, 606-8501, Japan
SO FEBS Letters (2004), 569(1-3), 99-104
CODEN: FEBLAL; ISSN: 0014-5793
PB Elsevier Science B.V.
DT Journal
LA English

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 14 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:314083 HCAPLUS
DN 141:253881
TI CXCR4 antagonists identified as anti-cancer-metastatic agents
AU Tamamura, Hirokazu; Hori, Akira; Kanzaki, Naoyuki; Hiramatsu, Kenichi; Mizumoto, Makiko; Nakashima, Hideki; Yamamoto, Naoki; Otaka, Akira; Fujii, Nobutaka
CS Graduate School of Pharmaceutical Sciences, Kyoto University, Kyoto, 606-8501, Japan
SO Peptide Science (2003), Volume Date 2004, 40th, 65-68
CODEN: PSCIFQ; ISSN: 1344-7661
PB Japanese Peptide Society
DT Journal
LA English

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 15 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 2003:870129 HCAPLUS
 DN 140:58115
 TI Functional expression of CXCR4 (CD184) on small-cell lung **cancer**
 cells mediates migration, integrin activation, and adhesion to stromal
 cells
 AU Burger, Meike; Glodek, Aleksandra; Hartmann, Tanja; Schmitt-Graeff,
 Anette; Silberstein, Leslie E.; Fujii, Nobutaka; Kipps, Thomas J.; Burger,
 Jan A.
 CS Department of Internal Medicine, Freiburg University Hospital, Freiburg,
 Germany
 SO Oncogene (2003), 22(50), 8093-8101
 CODEN: ONCNES; ISSN: 0950-9232
 PB Nature Publishing Group
 DT Journal
 LA English
 RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 16 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN
 AN 2003:646443 HCAPLUS
 DN 139:285889
 TI T140 analogs as CXCR4 antagonists identified as anti-metastatic
 agents in the treatment of breast **cancer**
 AU Tamamura, Hirokazu; Hori, Akira; Kanzaki, Naoyuki; Hiramatsu, Kenichi;
 Mizumoto, Makiko; Nakashima, Hideki; Yamamoto, Naoki; Otaka, Akira; Fujii,
 Nobutaka
 CS Graduate School of Pharmaceutical Sciences, Kyoto University, Sakyo-ku,
 Kyoto, 606-8501, Japan
 SO FEBS Letters (2003), 550(1-3), 79-83
 CODEN: FEBLAL; ISSN: 0014-5793
 PB Elsevier Science B.V.
 DT Journal
 LA English
 RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 08:53:54 ON 27 JUN 2007)

FILE 'REGISTRY' ENTERED AT 08:54:22 ON 27 JUN 2007

L1 0 S [RKXAE] [RE] [X] [FWY] CY [RKXE] [PGXKARE] [PGXAR] [YFAXE] [RKXAE] [XER]
 L2 0 S [RKXAE] [RE] X [FWY] CY [RKXE] [PGXKARE] [PGXAR] [YFAXE] [RKXAE] [XERK]
 L3 301 S [RKXAE] [RE] [FWY] [RKXE] [PGXKARE] [PGXAR] [YFAXE] [RKXAE] [XERK] [RE]
 L4 0 S L3 AND SQL<15
 L5 1 S L3 AND SQL<20
 L6 4 S L3 AND SQL<30

FILE 'HCAPLUS' ENTERED AT 08:59:21 ON 27 JUN 2007

L7 4 S L6
 L8 0 S L7 AND CXCR4 (W) ANTAGONIST
 L9 247 S CXCR4 (W) ANTAGONIST
 L10 1 S T140 (W) PEPTIDE
 L11 81 S T140
 L12 4129 S CXCR4
 L13 65 S L11 AND L12
 L14 8 S L13 AND RHEUMATOID (W) ARTHRITIS
 L15 16 S L13 AND CANCER
 L16 0 S L11 AND (RHEUMAOTID (W) ARTHRITIS)
 L17 16 S L11 AND CANCER